

OCTOBER

at the

CALIFORNIA ACADEMY OF SCIENCES

1965

ANNUAL MEETING AND OPEN HOUSE

of the

CALIFORNIA ACADEMY OF SCIENCES

Wednesday evening, October 6, 7:30 p.m.

You and your friends are most cordially invited to join the Trustees and Staff of the Academy at this yearly event.

Several areas of the Academy not usually on view to the general public will be open for your inspection including the Department of Herpetology, the Printing Shop, the Instrument Shop, and the Departments of Exhibits and Botany.

You will be able also to enjoy a "back-stage" look at Steinhart Aquarium and demonstrations of the star projector in Morrison Planetarium.

In Morrison Auditorium there will be special film showings of a color film never before seen *anywhere* which has very much to do with the Academy.

Later in the evening there will be modest refreshments served in Simson African Hall.

THIS IS A GOOD OPPORTUNITY TO
SHARE THE ACADEMY WITH YOUR
FAMILY AND FRIENDS. WE HOPE
YOU WILL TAKE ADVANTAGE OF IT

MORRISON PLANETARIUM

"SPIES IN SPACE" will be presented from October 6 through October 31. Man-made satellites have opened up a whole, new window on the universe. This is their story—past, present, and the exciting future. Performances daily at 3:30 p.m. with evening shows, Wednesday through Sunday, at 8:30. Extra matinees on Saturday and Sunday at 2:00. The Planetarium is closed on Monday and Tuesday evenings.

Admission: Adults, 75c, Juniors, 40c.

SPECIAL EXHIBITS

Exhibit of the Month: "RARE BOOKS FROM THE MAILLIARD LIBRARY". Main Foyer, Science Museum.

"THE TARAHAMURA INDIANS", black-and-white photographic enlargements by Mr. Sam Coombs. On display in Lovell White Hall of Man and Nature through December 31.

"SCIENCE IN ACTION" (Schedule for viewers in the San Francisco Bay Area: Wednesdays at 7:00 p.m., with a repeat telecast on Sundays at 6:00 p.m., KQED Channel 9. For other areas, consult the listings in your local paper.)

Oct. 6-10: "JET PILOT" with Guest Scientist Captain Ira R. Andersen, Pan American Airways.

Oct. 13-17: "TO TELL THE TIME", with Bruce A. Kock, Honorary Curator of Horology, CAS.

Oct. 20-24: "FEELING NO PAIN", with Stuart C. Cullen, M.D., University of California Medical Center.

Oct. 27-31: "THE ENCHANTED ISLES", with Dr. Robert I. Bowman, San Francisco State College.

NEWS and NOTES

FROM AUGUST 9 TO 20, STAFF MEMBERS OF various departments of the Academy joined forces with scientists of the Instituto de Biologia of Mexico for yet another research expedition to the Gulf of California. Known as the "1965 Gulf of California Expedition", the particular emphasis was on marine collecting, both for living additions for Steinhart Aquarium and for specimens for the research collections of the scientific departments at the Academy and at the University of Mexico.

The party, on August 9, flew in two aircraft for a rendezvous at La Paz, transportation furnished by generous friends of the Academy. The good ship *Marisla* which figured in last years' "Sea of Cortez Expedition", was again made available by Richard M. Adcock of the La Paz Skin Diving Service. Collecting began seriously on August 10. Five particular points were major stops: Isla Espiritu Santo, Mission Dolores, Las Animas, Bahia Muertos, and Isla Cerralvo.

Many benefits were reaped as a result of this activity. A "Science in Action" program to be entitled "Field Trip" containing unique and beautiful underwater footage of divers with giant manta rays and hammerhead sharks was photographed. Steinhart Aquarium now has on display a host of fishes which were flown back in plastic, water-filled bags



For the first time in history, the Academy had its own ensign flying over the scene of research activity.

in special shipping containers. All members of the party either snorkelled or were Scuba divers and as a result the Departments of Ichthyology and Invertebrate Zoology, as well as Steinhart Aquarium, have many new additions to their collections. Living reptiles were collected by the island shore parties.

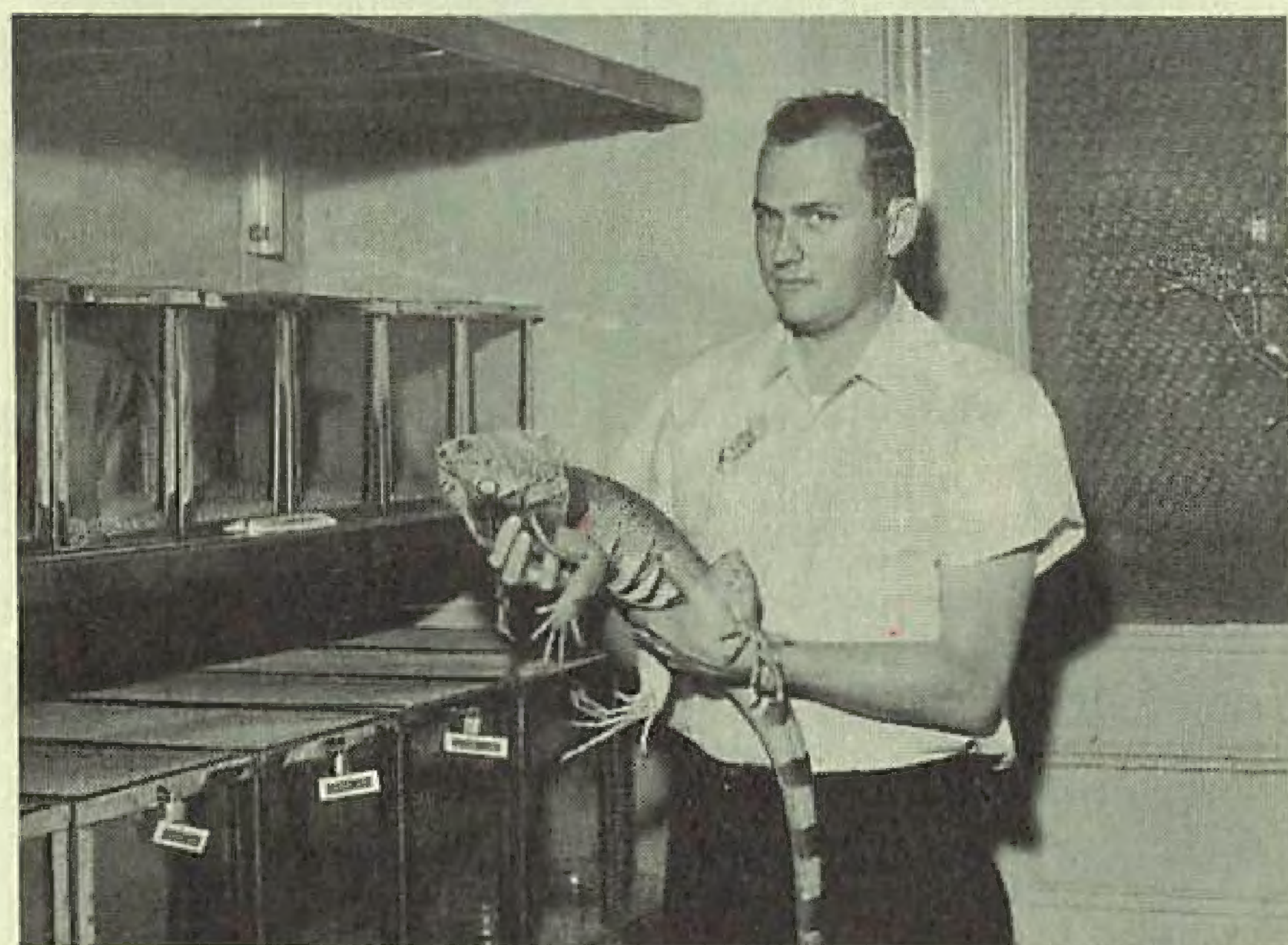
The group returned on August 20—tired, sunburned, but happy at having been part of a successful research expedition. Members of the staff involved were George Lindsay, Robert T. Orr, Earl S. Herald, Dustin Chivers, Karl Switak, Walt Schneebeil and Ken Lucas. Others in the party included Alejandro Villalobos F. and George Cabrera of the Instituto de Biologia, and Academy members Bruce Markham, Roy and Bruce Marquardt, Wright and Joy Cortner, George Tsegeletos, and Gary Bechtel.

MR. CLAY P. BUTLER, Research Associate in the Department of Astronomy, has recently been awarded the "Silver Medal for Scientific Achievement" by the United States Naval Radiological Defense Laboratory. The citation accompanying the award reads as follows: "For an excellent scientific curiosity . . . for contributions and ideas transcending disciplinary boundaries . . . and for original observations and developments in the field of thermal radiation physics."

THE SEPTEMBER 1965 ISSUE OF National Geographic Magazine contains a beautifully illustrated article, "Asian Insects in Disguise", the author of which is Dr. Edward S. Ross, Curator of Entomology, the featured speaker at last month's membership meeting.

The brilliant color photographs illustrating the text are consistent with the high standard which Dr. Ross has set for himself. His Asian and Australian research projects were sponsored by the National Geographic Society, the National Science Foundation, and the Academy.

THE NEXT monthly meeting of the Academy is scheduled for Wednesday evening, November 17 and will be in the way of a salute to the California Botanical Club on the occasion of its 75th birthday. Special Guest Speaker will be Dr. Reid Moran of the San Diego Natural History Museum. His subject: "The Stonecrop Family: Variations on a Pattern."



MEET THE STAFF

GLENN E. BURGHARDT, Assistant Curator in Steinhart Aquarium, was immersed in a fish-fancying career through what has become almost standard procedure: one pair of Guppies and a one-gallon tank. Just how far he became involved is indicated by the fact that he now has 245 tanks in a commercial hatchery operated by his parents, a business that is a side activity to his busyness at Steinhart.

Glenn was born in Merced and after completing his major in Business Administration at the University of California and a two-year hitch in the Navy, he worked for retail fish dealers and wholesale fish distributors. Then, he owned and operated an establishment in Oakland called "The Exotic World of Pets". For this, and in addition to fancy fish, he imported such conversation pieces as lions and ocelots as well as all kinds of reptiles and amphibians.

He began his career at Steinhart in July 1962 as an aquatic biologist. He is active and has held numerous offices in many Bay Area aquarium societies as well as those devoted to herpetology and malacology. But his interests are even more catholic. He collects coins, stamps, rocks, and shells. He is also an avid gardener with the emphasis on bromeliads (45 species) and fuschias (155 varieties.) His wife, Laura, also has many natural history interests.

Glenn has written and published a book, "Iguanas as Pets" (his companion above is a Green Iguana), and still spends such leisure time as it is available travelling and collecting those objects which capture his interest.

He is the pleased father of three—a boy and two girls. It rather figures that they are already more than casually interested in the world around them.

(Photo by Maurice Giles, CAS)

NEW MEMBERS OF THE ACADEMY

Regular Membership

Mr. Warren O. Addicott	Mr. Thomas Horobik
Mr. August C. Armanini	Mr. John Huston
Miss Verna Arnest	Miss Lynne-Jean Johnson
Mr. Edward C. Baumgarten, Jr.	Miss Evelyn Jopling
Mr. Edgar Bissantz	Mr. Robert E. Lester
Mr. E. L. Buttner	Dr. Francis B. Martin
Dr. B. P. Cardon	Mr. David H. McAlpin
Mr. Eugene Carter	Capt. W. McClain, USN, Ret.
Mr. Dennis W. Chew	Mr. Robert Rapp
Mrs. Joan R. Cisinski	Dr. J. A. Rodgers
Mr. Robert N. Conrad	Mr. L. E. Silverton
Mrs. J. Crosswhite	Miss Lena Siuik
Miss Denise DeCuir	Dr. Herman T. Spieth
Mr. Robert J. Ferolano	Mr. A. Toso
Rev. John Joseph Flynn	Mr. Walter W. Walker
Mr. James Gibeau	Dr. H. W. Weigel
Mr. William Grohne	Mr. John P. Williams
Mrs. Gertrude S. Hall	Mr. Fred R. Wolfe, Jr.
Mr. Frank Heppner	Mr. Roberto Zelaya
Miss Gretchen Ann Herbkersman	Mr. Edward J. Zimbelman

Family Membership

Mr. R. W. Anderson	Mr. & Mrs. Nyren L. Peters
Mr. Roger W. Barbey	Mr. Kenneth Schneider
Mr. & Mrs. Homer E. Boone	Dr. J. C. Shrader
Mr. & Mrs. Thomas F. Christe	Mr. B. A. Simmons
Mr. Kent S. Drescher	Mr. Sander L. Sorenson
Mr. Joy & Mrs. Lillian Hutton	Mr. & Mrs. C. W. Suhrer
Mr. K. J. Kadoch	Mr. Sidney Suslow
Mr. Walter R. Lamb	Dr. & Mrs. Clay Thomson
Mr. & Mrs. M. R. Louke	Mr. & Mrs. Thomas Tilton
M. & Mrs. Duane F. Miller	

Contributing Member

Dr. Paul Steiner

Student Membership

Gary Chow	Monica Morelli
Glen Cooper	Sally Mogelberg
George Hallock	Deborah Mogelberg
Pat Lamken	Mark Radov
Stephen Lee	Stephanie Schneider
Michael Liddicoot	Jan Stewart
Nancy Miller	Mike Torres
	Eric Zimmerman

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THE CALIFORNIA ACADEMY OF SCIENCES
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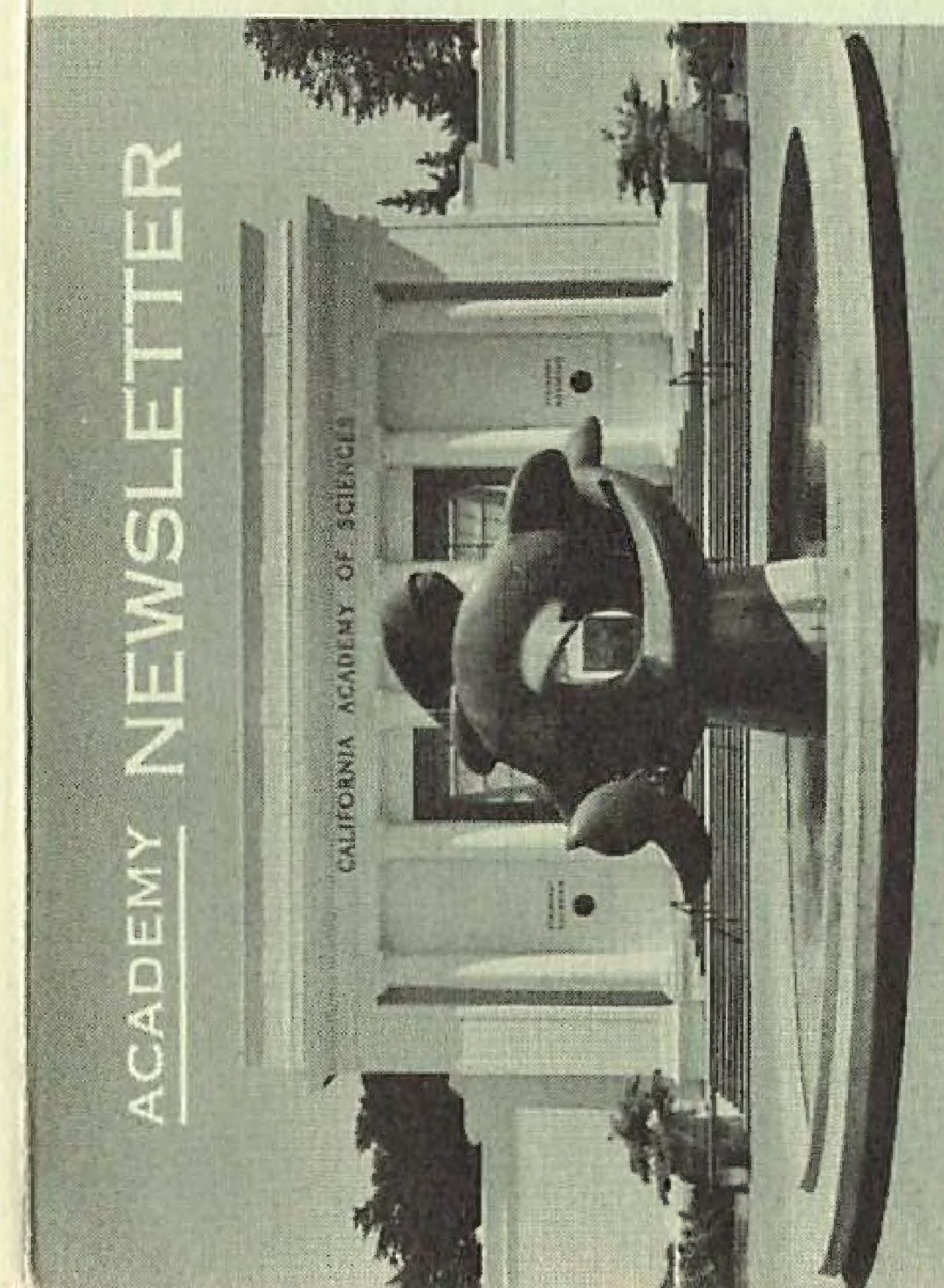
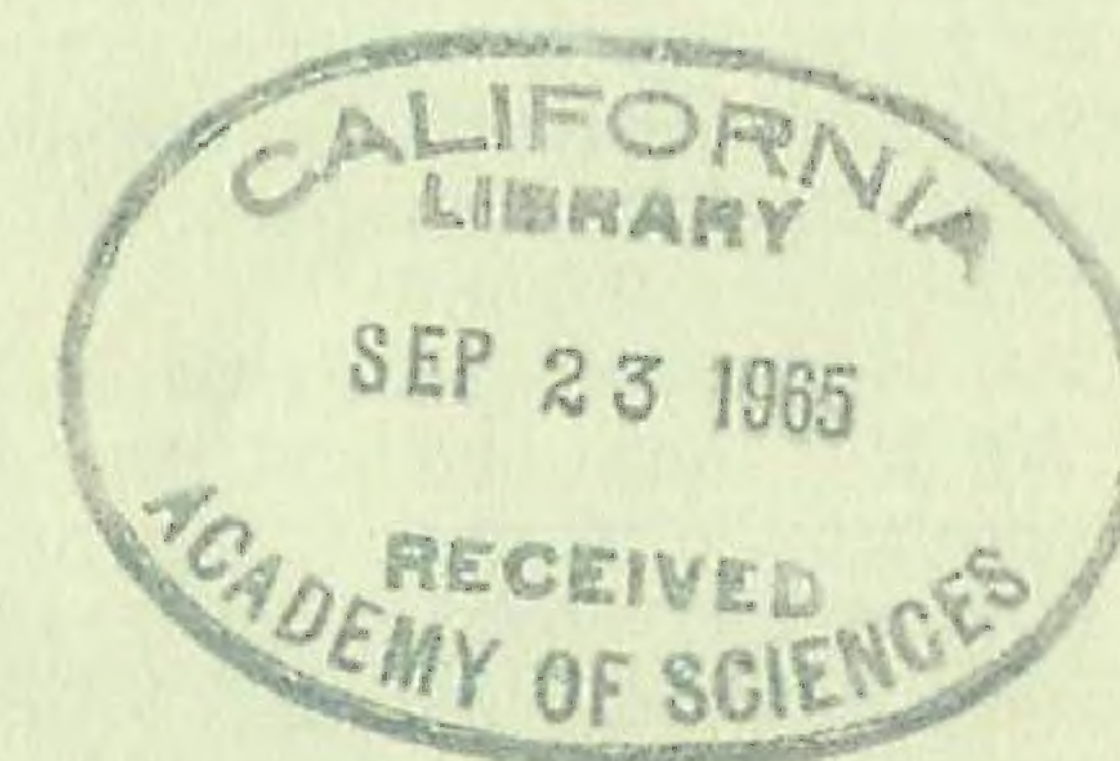
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